

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Currently Amended): A gas discharge tube comprising:

a sealed vessel in which gas is encapsulated;

a cathode section arranged in said sealed vessel;

an anode section, arranged in said sealed vessel, for generating discharge between said anode section and said cathode section; and

a discharge path restricting section, arranged in said sealed vessel, having a single hole for narrowing a discharge path between said cathode section and said anode section,

wherein said anode section has a first surface facing said discharge path restricting section, a second surface opposing said first surface, and [[an]] a single opening portion for communicating between said first surface and said second surface, said single opening portion provided so as to correspond one-to-one with said single hole of said discharge path restricting section, and

wherein a cross section of said single opening portion defined on a first reference plane coincident with said first surface has a non-circular shape, and

wherein said entire single hole is included in said single opening portion, when viewing said single hole through said single opening portion along an optical axis of light to be emitted from said gas discharge tube.

Claim 2 (Currently Amended): A gas discharge tube according to claim 1, wherein the cross section of said single opening portion has a non-circular shape where the maximum opening width in a first direction is different from that in a second direction orthogonal to the first direction.

Claim 3 (Currently Amended): A gas discharge tube according to claim 1, wherein the cross section of said single opening portion has one of an elliptic shape, an oblong shape and a rectangular shape.

Claim 4 (Currently Amended): A gas discharge tube according to claim 1, wherein the opening width of a part of said single opening portion is adjusted by a projection extending along the first reference plane from an edge part of said anode section defining said single opening portion.

Claim 5 (Currently Amended): A gas discharge tube according to claim 2, wherein the maximum opening width in the second direction of the cross section of said single opening portion is adjusted by a projection extending in the second direction from an edge part of said anode section defining said single opening portion.

Claim 6 (Previously Presented): A gas discharge tube according to claim 1, wherein said anode section is arranged such that said first surface is parallel to a tube axial direction of said sealed vessel so as to emit light in a direction orthogonal to the tube axial direction of said sealed vessel.

Claim 7 (Currently Amended): A light source apparatus comprising:
a gas discharge tube of claim 1; and
a visible light source for emitting visible light toward said single opening portion of said anode section constituting a part of said gas discharge tube.

Claim 8 (Previously Presented): A liquid chromatograph including a light source apparatus according to claim 7.

Claim 9 (New): A gas discharge tube according to claim 1, wherein a maximum opening width of said single opening portion defined on the first reference plane coincident with said first surface is larger than the maximum opening width of said single opening portion defined on a second reference plane coincident with said second surface.

Claim 10 (New): A gas discharge tube according to claim 1, wherein said anode is supported by a stem pin extending from a bottom surface of said sealed vessel, and, on said first reference plane coincident with said first surface, a cross section of said single opening portion has a shape such that a long axis of said single opening portion, defined by a maximum width of said single opening portion, is in parallel with a longitudinal direction of said stem pin.